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Amendments to the Specification

Please amend paragraph [0039] with the following amended paragraph:

[0039] An essential concept of the present invention is the ability to open and close the shielding around the sample, as discussed below. The shields move on an axis defined by the center of the transverse tubes to open and receive a sample and close to contain the sample. For [[FOr]] convenience of design the transverse tubes are of the same general size and the first and second (left and right) volume shields are axially symmetrical.